

# Nitrogenous Fertilizer Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
325311, Nitrogenous fertilizer manufacturing .....	2002..	116	143	4 481	267 564	2 796	6 244	158 951	949 108	2 164 627	3 175 532	124 222
	2001..	N	N	4 818	267 440	2 987	6 667	153 224	1 019 404	2 290 331	3 217 634	106 784
	2000..	N	N	5 179	270 937	3 227	6 996	159 801	877 088	2 183 140	3 055 622	106 034
	1999..	N	N	5 292	262 548	3 321	7 373	166 096	805 531	1 862 226	2 656 387	140 122
	1998..	N	N	5 204	295 207	3 520	7 937	184 636	1 658 572	2 118 456	3 759 976	402 193
	1997..	116	145	5 811	286 132	3 701	8 133	170 626	1 814 299	2 172 209	3 961 254	589 737

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>325311, Nitrogenous fertilizer manufacturing</b>												
United States .....	—	143	41	4 481	267 564	2 796	6 244	158 951	949 108	2 164 627	3 175 532	124 222
Arkansas .....	—	5	3	292	14 811	141	348	6 991	35 505	95 697	131 000	16 843
Florida .....	1	8	2	111	6 416	70	156	3 656	21 135	46 282	67 261	2 878
Louisiana .....	—	6	5	741	52 754	449	1 004	32 452	259 127	603 921	852 940	25 538
Texas .....	—	10	1	112	6 224	78	159	4 354	12 179	78 727	90 540	1 110

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>325311, Nitrogenous fertilizer manufacturing</b>	
Companies <sup>1</sup> .....	number.. 116
All establishments <sup>2</sup> .....	number.. 143
Establishments with 1 to 19 employees .....	number.. 102
Establishments with 20 to 99 employees .....	number.. 29
Establishments with 100 employees or more .....	number.. 12
All employees <sup>3</sup> .....	number.. 4 481
Total compensation .....	\$1,000.. 330 494
Annual payroll .....	\$1,000.. 267 564
Total fringe benefits .....	\$1,000.. 62 930
Production workers, average for year .....	number.. 2 796
Production workers on March 12 .....	number.. 2 846
Production workers on May 12 .....	number.. 2 820
Production workers on August 12 .....	number.. 2 762
Production workers on November 12 .....	number.. 2 753
Production worker hours .....	1,000.. 6 244
Production worker wages .....	\$1,000.. 158 951
Total cost of materials .....	\$1,000.. 2 164 627
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 1 606 027
Resales .....	\$1,000.. 23 652
Purchased fuels .....	\$1,000.. 366 634
Purchased electricity .....	\$1,000.. 121 441
Contract work .....	\$1,000.. 46 873
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 2 968 138
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. 402 286
Total value of shipments .....	\$1,000.. 3 175 532
Primary products value of shipments .....	\$1,000.. 2 992 384
Secondary products value of shipments .....	\$1,000.. 144 636
Total miscellaneous receipts .....	\$1,000.. 38 512
Value of resales .....	\$1,000.. 27 211
Contract receipts .....	\$1,000.. D
Other miscellaneous receipts .....	\$1,000.. D
Primary products specialization ratio .....	percent.. 95
Value of primary products shipments made in all industries .....	\$1,000.. 3 565 466
Value of primary products shipments made in this industry .....	\$1,000.. 2 992 384
Value of primary products shipments made in other industries .....	\$1,000.. 573 082
Coverage ratio .....	percent.. 84
Value added .....	\$1,000.. 949 108
Total inventories, beginning of year .....	\$1,000.. 378 057
Finished goods inventories .....	\$1,000.. 202 148
Work-in-process inventories .....	\$1,000.. 5 158
Materials and supplies inventories .....	\$1,000.. 170 751
Total inventories, end of year .....	\$1,000.. 305 447
Finished goods inventories .....	\$1,000.. 136 158
Work-in-process inventories .....	\$1,000.. 9 351
Materials and supplies inventories .....	\$1,000.. 159 938
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 3 920 437
Total capital expenditures (new and used) .....	\$1,000.. 124 222
Buildings and other structures (new and used) .....	\$1,000.. 11 252
Machinery and equipment (new and used) .....	\$1,000.. 112 970
Automobiles, trucks, etc., for highway use .....	\$1,000.. 2 466
Computers and peripheral data processing equipment .....	\$1,000.. 1 921
All other expenditures for machinery and equipment .....	\$1,000.. 108 583
Total retirements .....	\$1,000.. 75 287
Gross value of depreciable assets at end of year .....	\$1,000.. 3 969 372
Depreciation charges during year .....	\$1,000.. 237 338
Total rental payments .....	\$1,000.. 35 247
Buildings and other structures .....	\$1,000.. 4 669
Machinery and equipment .....	\$1,000.. 30 578
Total other expenses <sup>4</sup> .....	\$1,000.. 271 721
Response coverage ratio <sup>5</sup> .....	percent.. 86
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 102 144
Communications services <sup>4</sup> .....	\$1,000.. 1 653
Legal services <sup>4</sup> .....	\$1,000.. 3 537
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 286
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 297
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 3 514
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 1 860
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 17 258
Taxes and license fees <sup>4</sup> .....	\$1,000.. 21 955
All other expenses <sup>4</sup> .....	\$1,000.. 119 217

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
325311, Nitrogenous fertilizer manufacturing											
All establishments .....	—	143	4 481	267 564	2 796	6 244	158 951	949 108	2 164 627	3 175 532	124 222
Establishments with—											
1 to 4 employees .....	9	65	137	7 031	94	188	4 378	21 805	50 369	72 123	4 392
5 to 9 employees .....	6	21	136	6 822	96	228	4 515	9 919	31 770	50 743	3 231
10 to 19 employees .....	3	16	235	12 103	177	454	8 858	22 084	51 080	77 203	5 423
20 to 49 employees .....	5	14	494	23 155	335	715	14 671	101 293	116 924	234 184	14 607
50 to 99 employees .....	—	15	1 097	62 903	722	1 644	39 823	138 952	601 825	754 051	31 024
100 to 249 employees .....	—	9	1 264	77 613	797	1 764	49 282	416 134	767 089	1 185 254	56 382
250 to 499 employees .....	—	3	1 118	77 937	575	1 251	37 424	238 921	545 570	801 974	9 163
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	63	170	9 343	117	249	5 920	31 470	68 636	100 106	5 784

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
325311	Nitrogenous fertilizer manufacturing . . .	143	4 481	267 564	2 796	6 244	158 951	949 108	2 164 627	3 175 532	124 222
3253111	Synthetic ammonia, nitric acid, and ammonium compounds . . . . .	36	3 010	183 638	1 830	4 037	106 542	764 716	1 756 329	2 566 667	84 829
3253114	Urea . . . . .	5	691	46 150	444	980	28 845	113 514	281 048	400 292	17 963
3253117	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials . . . . .	17	328	13 301	237	593	9 143	30 046	25 593	56 833	12 333

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325311	Nitrogenous fertilizer manufacturing .....	2002.. N	X	X	3 565 466
	1997.. N		X	X	4 507 914
3253111	Synthetic ammonia, nitric acid, and ammonium compounds .....	2002.. N	X	X	2 529 522
	1997.. N		X	X	3 511 869
32531111	Synthetic ammonia, nitric acid, and ammonium compounds .....	2002.. N	X	X	2 529 522
	1997.. N		X	X	3 511 869
3253111100	Synthetic ammonia, nitric acid, and ammonium compounds <sup>1</sup> .....	2002.. 48	X	X	2 529 522
	1997.. 64		X	X	3 511 869
3253114	Urea .....	2002.. N	X	X	835 867
	1997.. N		X	X	784 792
32531141	Urea .....	2002.. N	X	X	835 867
	1997.. N		X	X	784 792
3253114100	Urea <sup>1</sup> .....	2002.. 15	X	X	835 867
	1997.. 21		X	X	784 792
3253117	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials .....	2002.. N	X	X	54 289
	1997.. N		X	X	70 394
32531171	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials .....	2002.. N	X	X	54 289
	1997.. N		X	X	70 394
3253117100	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials .....	2002.. 21	X	X	54 289
	1997.. 25		X	X	70 394
325311W	Nitrogenous fertilizer manufacturing, nsk, total .....	2002.. N	X	X	145 788
	1997.. N		X	X	140 859
325311WY	Nitrogenous fertilizer manufacturing, nsk, total .....	2002.. N	X	X	145 788
	1997.. N		X	X	140 859
325311WYWW	Nitrogenous fertilizer manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N	X	X	46 627
	1997.. N		X	X	51 069
325311WYWY	Nitrogenous fertilizer manufacturing, nsk, for administrative-record establishments .....	2002.. N	X	X	99 161
	1997.. N		X	X	89 790

<sup>1</sup>For additional detail, see Current Industrial Report MQ325B, Fertilizer Materials.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note 2 at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3253111	Synthetic ammonia, nitric acid, and ammonium compounds	
	United States..... 2002..	2 529 522
	..... 1997..	3 511 869
	Florida ..... 2002..	91 083
	..... 1997..	106 908
	Louisiana ..... 2002..	515 491
	..... 1997..	885 880
3253114	Texas ..... 2002..	199 371
	..... 1997..	163 622
	Urea	
	United States..... 2002..	835 867
	..... 1997..	784 792
3253117	Louisiana ..... 2002..	295 877
	..... 1997..	330 387
	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials	
	United States..... 2002..	54 289
	..... 1997..	70 394

Note 1: For additional information, see Appendix F.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325311	Nitrogenous fertilizer manufacturing		
00900001	Total materials .....	X	1 606 027
	.....2002..	X	1 603 708
	.....1997..	S	240 726
32531103	Nitrogenous fertilizers, ammonia, synthetic anhydrous (100 percent NH <sub>3</sub> ) .....	S	267 359
	.....1,000 s tons..2002..		
	.....1997..		
32531113	Nitrogenous fertilizers, ammoniating and nitrogen solutions, including ammonium nitrate and urea (100 percent N) .....	S	26 783
	.....1,000 s tons..2002..	644.7	77 741
	.....1997..		
32531111	Nitrogenous fertilizers, ammonium nitrate (solid only) (100 percent NH <sub>4</sub> NO <sub>3</sub> ) .....	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
32531107	Nitrogenous fertilizers, ammonium sulfate (100 percent (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> ) .....	D	D
	.....1,000 s tons..2002..	-	-
	.....1997..		
32531115	Nitrogenous fertilizers, urea (solid only) (100 percent CO(NH <sub>2</sub> ) <sub>2</sub> ) .....	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..		
32531109	Other nitrogenous materials, including calcium cyanamide and limestone mixtures .....	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
32531203	Superphosphates used in mixed goods (100 percent P <sub>2</sub> O <sub>5</sub> ) .....	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
32531201	Phosphoric acid, excluding spent (100 percent P <sub>2</sub> O <sub>5</sub> ) .....	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..		
21239101	Muriate of potash (all grades) (60-62 percent K <sub>2</sub> O) .....	D	D
	.....1,000 s tons..2002..	S	149
	.....1997..	D	D
21239103	Other potassic materials, including potassium nitrate and sulfate .....	D	D
	.....1,000 s tons..2002..	P1.0	299
	.....1997..		
00190029	Inert fillers (including secondary plant food, soil conditioners, sand, limestone, peat, nut hulls, etc.) .....	D	D
	.....1,000 s tons..2002..	S	2 426
	.....1997..		
32518803	Sulfuric acid, new and spent (100 percent H <sub>2</sub> SO <sub>4</sub> ) .....	D	D
	.....1,000 s tons..2002..	P88.2	2 815
	.....1997..	D	D
21239200	Phosphate rock .....	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
21239303	Sulfur .....	D	D
	.....1,000 l tons..2002..	D	D
	.....1997..		
21111013	Natural gas used as a raw material .....	358.5	1 073 262
	.....bil cu ft..2002..	S	1 008 370
	.....1997..	X	1 231
32220009	Bags (including shipping sacks, multiwall bags, and polyethylene liners), excluding textile .....	X	2 818
	.....2002..	X	112 690
	.....1997..	X	122 826
00970099	All other materials and components, parts, containers, and supplies .....	X	72 375
	.....2002..	X	43 974
	.....1997..		

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.